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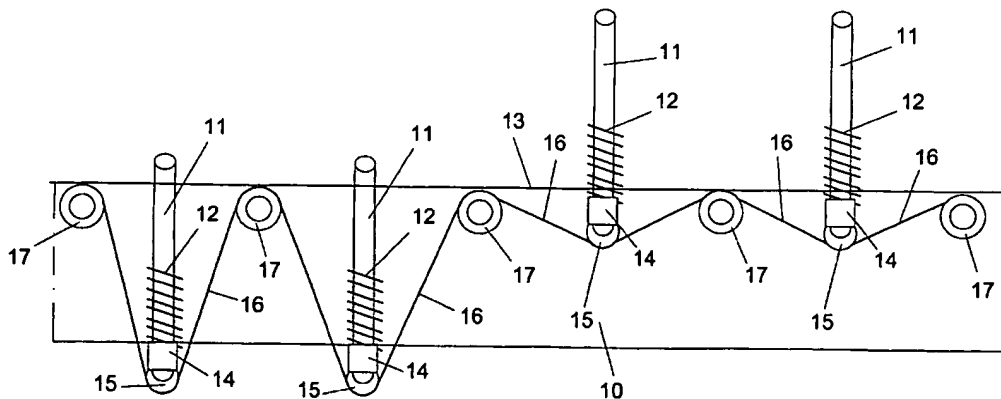
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(54) Title: **BED SURFACE WITH IMPROVED STRUCTURE**



(57) Abstract: A bed plane with improved structure, comprising a plurality of slats, arranged transversally to the frame (10) of the bed and connected to it through slat- holders, includes a series of stems or pistons (11), each connected with one or more of the aforementioned slats and associated with a respective spring (12) for vertical sliding; each piston carries a pulley or sliding guide (15) for the transmission of motion, which occurs thanks to flexible members (16), such as cords, belts, chains and cables, fixed to the frame (10) of the bed plane. The pistons (11), connected to the slats, react to the pressures exerted by the body lying down on the bed plane, compensating for the sinking created by the heaviest parts of the body, i.e. those parts between the shoulders and the pelvis, with an upward thrust, supporting the lighter parts, in other words the back and kidneys.

WO 2005/004676 A1